allied departments, such as Forests, Industries, Agriculture, Information Technology, Education, Healt, etc; Representatives from District Bar Council (or Govt. Pleader), Lead Bank, Non-Governmental Organisations, Rotary Club, Lions Club, local industry associations, scientists etc. At least six members of the Committee will be women. So far, 25 States have set up 376 DACs in various districts of the country. Commencing 2005-06, DACs may get token funds for their functioning.

Potential of solar wind and biogas energy in the country

2411. SHRI LALITBHAI MEHTA:
SHRIMATI SAVITA SHARDA:

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether a study has been made regarding the potential of solar energy, wind energy and biogas energy in the country;

(b) if so, what are the plans to tap these energy sources by NGOs and by commercial establishments;

(c) what is the amount of subsidy given on Capital Investment made in such projects by Government; and

(d) the schemes, of Government, in force at present to generate electricity by Non-Conventional Energy Sources?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) Yes, Sir. Different studies/estimates indicate that a potential of about 20 MW equivalent per square kilometer of covered area from solar energy, 45,000 MW from wind and 120 lakh family type biogas plants exists in the country.

(b) to (d) Wind power projects are being set up mainly through private investment. No capital subsidy is being provided for such investments. However, fiscal incentives such as accelerated depreciation, relief in taxes and duties and term loans from financial institutions are being provided apart from preferential tariffs in some potential States. On the other hand, the biogas and solar energy schemes/programmes are being implemented mainly through the State Nodal Agencies/States Government departments, involving in some instances State level NGOs/voluntary organizations/other agencies. Financial incentives/capital subsidies are being provided for setting up/installing biogas plants and solar energy systems/devices, the

details of which alongwith those for grid-interactive renewable power projects are given in the enclosed the Statement.

Statement

The details of Central Financial Assistance (CFA) provided under various grid/off grid renewable energy programmes

Sl. No.	Programmes/Sector	Subsidy
1.	**Wind Power**	For Demonstration Projects upto 60% of the equipment cost subject to certain benchmarks, No Capital subsidy.
2.	**Small aero-generators and hybrid systems**	Rs. 2.00 lakhs per kilo-watt or 50—75% of ex-works cost, whichever is less. Rs. 2.40 lakhs per kilo-watt or 90% of ex-works cost, whichever in less-in un-electrified Islands.
3.	**Family Type biogas plants**	Rs. 2100- Rs. 11,700 per plant depending upon the capacity of the plant, category of the beneficiaries/areas.
4.	**Biomass Gasifiers**	For Thermal Applications (upto 3 MWth); Rs. 1.25 lakh/300 kWth. For electrical/mechanical applications (upto 1 MWe): Rs. 15.00 lakh/100 kWe. 20% higher CFA of the above for Special category States and Islands.
5.	**Bagasse Co-generation Projects**	**Interest subsidy**
	i. Projects by Cooperative/ public/Joint sector Sugar Mills.	3—6% depending upon configuration.
	ii. Projects in IPP Mode in Cooperative/Public/Joint Sector Sugar Mills	2—4% depending upon configuration.
	iii. Projects by Private Sector Sugar Mills	1—3% depending upon configuration.
	Biomass Power Projects	**Interest subsidy**
	Projects with MW-scale 100% Producer Gas Engines/Advanced Biomass Gasification projects.	2—3% depending upon technology/configuration.

Sl. No.	Programmes/Sector	Subsidy	
6.	**Industrial Waste-to-Energy** Interest subsidy	To reduce interest rate upto 4% in special category States and upto 6% in other States, to be paid through Financial Institutions. Subject to certain limits based on type of projects.	
7.	**Small Hydro Power**	**Govt. sector:**	**Private sector**
	Capital Subsidy		
	• N E Region and Sikkim	Up to Rs. 6.00 crores/MW	Upto Rs 3.00 crores/MW
	• Middle Himalayas, Laddakh, A&N	Up to Rs 4.00 crores/MW	Up to Rs. 2.00 crores/MW
	• Other Hilly areas	Up to Rs 2.00 crores/MW	Up to Rs. 1.00 crores/MW
	Water mills-mechanical	Up to Rs. 30,000/ watermill (mechanical)	
	Water mills-electrical+ mechanical	Upto Rs. 1.00 lakh watermill (electrical or electrical-cum-mechanical)	
8.	**Solar Photovoltaic systems/ devices**	From Rs. 2400/- Rs 9100/- for SPV lighting systems depending upon wattage. Rs. 4300/- Rs. 16390/- for Special Category States.	
9.	**PV water pumping systems**	Rs. 100 per Wp of PV array used, subject to a maximum of Rs. 1,80,000 per system. 90% of approved ex-works cost of the system for Special Category States.	
10.	**Power Plants & Other systems**	Rs. 1,19,000/-kWp of PV array Capacity or 50% of Ex-works cost, which ever is less. Rs. 2,14,200/ kWp of PV array Capacity or 90% of Ex-works cost, whichever is less for Special Category States	
11.	**Solar Water Heating Systems (SWHS)/ other Solarl Therma systems**	**For Solar Water Heating systems:** Through Banks/FIs (including housing financing org.): Interest Subsidy to reduce the interest to 5% to end-user.	
		For solar water heating/air heating systems/ desalination system, steam cooking systems, etc.: through IREDA:	
		Interest Subsidy of 5% for non-profit organizations and of 7% for profit-making organizations.	
		For dish/community type solar cookers:	
		50% of cost limited to Rs. 2500/- for dish type cookers; Rs. 25,000/- for Scheffler/community type cooker.	
		For steam cooking systems:	
		50% of actual system cost.	